

# FloScan 201b6 Installation Instructions

## Fuel Flow Transducer Notes

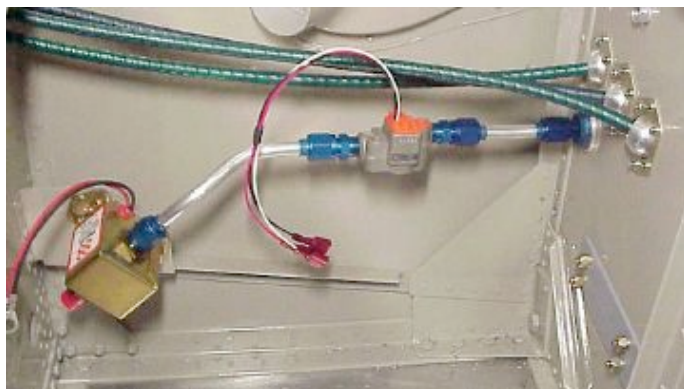
- **Never** blow through the transducer. Keep the yellow caps on until it is installed.
- The fuel flow transducer(s) should be installed in a straight section of your fuel line. (6 straight inches on each side is desirable).
- The wires **must** come out of the top of the transducer.
- When assembling fittings into the 1/4" NPT inlet and outlet ports do not exceed a **torque value of 15 ft.-lbs. (180 in.-lbs.) or two full turns past hand tight**, which occurs first.
- Do not use Teflon tape in an aircraft fuel system. Use "Fuel Lube"
- The transducer should be mounted down stream of a fuel filter.
- Do not attach the transducer directly to the engine to avoid excessive vibration.
- Do not mount the transducer near the exhaust systems or other hot engine components.
- If the transducer is in the engine compartment, it should be covered in fire sleeve to protect it from excessive heat.
- The transducer wires may be trimmed any desired length

## Possible Transducer Placement Locations:

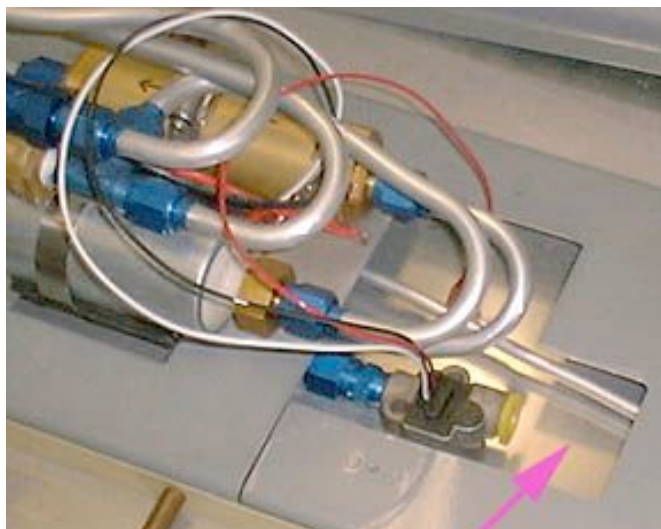
1. Between the auxiliary electric boost pump and the engines mechanical fuel pump.
2. Between fuel injection servo and the distribution block.
3. Between the Engine driven pump and the Carburetor

**Note:** If your engine is equipped with a fuel return line **from the carburetor** back to the fuel tank you will need to install two flow transducers. One in the feed line from the fuel pump to the carburetor and one in the return line from the carburetor back to the fuel tank. This applies to certain Continental engines and Rotax 912(ULS) and 914 engines.

**Suggested Installation Hardware:** 2 Each, AN816-6D nipple, AN818-6D nut, AN819-6D sleeve. This will allow splicing of the transducer into 3/8" (-6) aluminum fuel line.



RV-8



RV-7 Fuel Injected

## FloScan 201b6 Specifications:

Flow Range , Gasoline: 0.6 – 60 GPH, #2 Diesel: 3.0 – 60 GPH  
 Approximate K Factor (Pulses/Gallon @ 16 GPH):28,000 – 31,000  
 #2 Diesel: 28,000  
 Pressure Drop, Gasoline:1.2 psi @ 30 GPH, 4.8 psi @ 60 GPH  
 #2 Diesel: 1.5 psi @ 30 GPH, 6.0 psi @ 60 GPH  
 Repeatability Between Measurements: 1/2% @ 16 GPH  
 Working Pressure: 200 psi  
 Temperature Range: -65° / 100°C  
 Bearing Life Expectancy: 10,000 hr. min.  
 Electrical Specifications:  
 12-15 VDC between RED (+) wire and BLACK (-) wire. 30 to 50 mA at 12 VDC.



**Need Help?**

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or call (831) 325-3131